STATEMENT OF WORK
Nutrient Management (590)
Vermont

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

Deliverables

ALL ITEMS IN THE ATTACHED NUTRIENT MANAGEMENT COMPONENT CHECKLIST MUST BE COMPLETED.

DESIGN

1. Design documents that demonstrate criteria in NRCS practice standard have been met and are compatible with planned and applied practices.
   a. Practice purpose(s) as identified in the conservation plan.
   b. List of required permits, if required, to be obtained by the client.
   c. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
      i. Results of applicable sampling, analyses, and tests provided by the client.
      ii. Realistic yield goals for the crop(s) to receive nutrient applications.
      iii. Planned nutrient and soil amendment application rates, methods, and timing of application in balance with the nutrient budget.
      iv. Site risk assessment for phosphorus and nitrogen transport on all fields receiving nutrients.
      v. Other requirements applicable to manure or organic materials, non-point source pollution, soil condition, and air quality.
2. Written plans and specifications shall be provided to the client that adequately describes the requirements to implement the practice and obtain necessary permits. Plans & specifications include:
   a. Maps that identify areas on which nutrients will be applied.
   b. Location of setbacks or other sensitive areas with nutrient application restrictions.
   c. Guidance for nutrient applications on setbacks or other sensitive areas.
   d. A nutrient budget for nitrogen, phosphorus, and potassium that compares recommended to planned nutrient application rates.
   e. Operation and maintenance plan.
   f. Other requirements listed in the conservation practice standard Nutrient Management (Code 590).
3. Design modifications during installation as required.

INSTALLATION

1. Pre-implementation conference with client to review the plan
2. Verification that client has obtained required permits, if required for installation.
3. Location of and communication of setback requirements for wetlands, water bodies, streams, and other nutrient-sensitive areas.
4. Installation guidance as needed.
5. Guidance for record keeping (implementation records maintained by the producer or agent).
   a. Records of crops produced, planting and harvest dates, yields, residue management.
   b. Records of recurring soil tests, and other tests (e.g. manure, plant tissue, water) used to implement the plan.
   c. Records of recommended nutrient application rates.
   d. Records of nutrient applications including quantities, analyses, and sources of nutrients applied; dates and methods of application.
   e. Records of recurring review of the plan including the dates or review, individual performing the review, and recommendations that resulted from the review.
6. Operation and Maintenance guidance.
7. Facilitate and implement required design modifications with client and original designer.
8. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.

CHECK OUT

1. Post-implementation conference with client to review and adjust the plan.
2. Gathering and review records of implementation.

STATEMENT OF WORK
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NUTRIENT MANAGEMENT COMPONENT CHECKLIST

_____1. Producer name, address, county, phone number, email. Planner's name, address, phone number, email. Date plan prepared and crop year of plan.

_____2. Narrative describing the farm enterprise: farm manager, type of operation, animal units (types, number, and weight of each animal and period of confinement), acreage (rented and owned), business objectives/plan, watershed, watershed code, and watershed concerns.

_____3. Aerial site photographs or maps with boundaries of fields and marked setbacks and buffers. Soil map, soil descriptions. Maps should have appropriate map symbols and legends including a title block with:

a. Landowner/operator
b. Prepared with assistance from _____
c. Scale of the map
d. Date prepared
e. North Arrow
f. Name of the County
g. District and State

_____4. The following have been identified for all crop fields:

a. Primary soil type
b. Crop rotations and year in rotation (e.g. C2 of C3H5)
c. Type, timing, depth, and sequence of tillage
d. Description of crop residue use

_____5. Topographic map (with appropriate legend) showing farmstead, tracts and watercourses.

_____6. Location of designated environmentally sensitive areas or resources, such as sinkholes, streams, springs, lakes, ponds, wells, gullies, tile inlets areas of concentrated flow and drinking water sources.

_____7. Farm Service Agency (FSA) designation for Tracts and Fields, along with FSA acreage.

_____8. Landowner/operator field identification codes and whether land is owned or rented.

_____9. Land use designation (hayland, cropland, pasture, etc.).

_____10. Current and/or planned plant production sequence or crop rotation.

_____11. At least one third of all fields must have recent soil tests (within 3 yr.). Those fields without a current test must have a soil test no older than 5 years. On all fields without current soil tests, application rates of manure or other organic by-products will be planned based on phosphorus removal rates and revised accordingly within 1 year based on current soil tests. Identify the soil lab and extraction method. Only the Modified Morgan extraction is acceptable.

_____12. Annual manure test results from each storage containment.

_____13. Estimation of manure production including bedding, milk center, and barnyard runoff, if applicable.

_____14. All Manure/Waste application equipment has been described, sized and calibrated.

_____15. Manure/waste produced in relation to available or spreadable acres has been assessed.

_____16. Manure storage type, volume, and length of storage.

_____17. A complete nutrient budget for nitrogen, phosphorus, and potassium for the plant production system that includes all potential sources of nutrients.

_____18. Realistic yield goals and a description of how they were determined.

_____19. Recommended nutrient application rates by field including the form, source, amount, timing (month and year) and method of application of nutrients (manure and commercial fertilizer).

_____20. Manure/Waste spreading schedule has been developed.

_____21. If excess nutrients exist, decisions have been made, or alternatives presented for off-farm use of the manure and appropriate documentation provided (such as an Exporting/Importing Manure Agreement).

_____22. Risk assessments for potential nitrogen and phosphorous transport from fields are made and recommended BMPs to treat the concerns are indicated.

_____23. Assistance Notes (NRCS CONS-6 Equivalent) showing discussions with landowner during the development of the plan, site visits etc…

_____24. Plan has been checked for cross-compliance with all applicable Federal programs (Food Security Act-HEL and Wetland Conservation) and State regulations (AAPs).

_____25. Guidance for implementation, operation, maintenance, and record keeping.

Note: Check or initial each item when complete. Enter NA where not applicable. Maintain this checklist at the back of this component in the field office copy of the Nutrient Management Plan or the Comprehensive Nutrient Management Plan.